

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph starting at page 2, line 35 through page 3, ending at line 14, with the following rewritten paragraph:

An object of the present invention is thus a production process of a liquid concentrate of adapted and viable bacteria, for use in foodstuffs comprising the following successive steps:

- a) the bacteria are propagated in a fermenter in an appropriate culture medium;
- b) the bacteria obtained in step a) are adapted;
- c) the culture medium containing the bacteria adapted is washed by tangential microfiltration using a washing solution;
- d) the washed medium containing the bacteria adapted is concentrated in bacteria by tangential microfiltration to a bacterial concentration greater than $5 \cdot 10^{10}$ ufc/ml advantageously greater than $1 \cdot 10^{11}$ ufc/ml;
- e) a liquid concentrate of adapted and viable bacteria for use in foodstuffs is recovered.